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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC821 U.S. PTO
10/090343
03/04/02

In re Application of: Ashley G. Price et al

For: DESULFURIZATION AND NOVEL COMPOSITIONS FOR SAME

LETTER

Assistant Commissioner of Patents and Trademarks
Washington, DC 20231

Attached hereto for filing in the United States Patent and Trademark Office is the patent application identified above. This application includes an executed assignment.

The filing fee has been computed as follows:

Basic Fee	\$740.00
Additional Fees:	
Total Number of claims (whether independent or dependent over 20, times \$18.00	\$1710.00
Number of independent claims over 3, times \$84.00	\$252.00
Multiple Dependent Claims (\$280)	0.00
TOTAL Filing Fee	\$2702.00

Please charge Deposit Account 16-1575 in the amount of the total filing fee stated above. The Commissioner is hereby authorized to charge any additional fees which may be required under 37 CFR 1.16 or 37 CFR 1.17, or credit any overpayment, to Deposit Account 16-1575, but is not authorized to charge any fee provided for under 37 CFR 1.18.

If the Examiner wishes to contact representatives of record concerning the accompanying application prior to the first Official Action, such contact should be made with the undersigned.

The following references, a copy of each is attached, are called to the Examiner's attention.

U.S. 5,157,201, Norris, October 20, 1992, discloses a method of removing sulfur components from a hydrocarbon stream involving contacting a hydrocarbon stream with a catalyst capable of adsorbing the sulfur species in the absence of extraneously added hydrogen.

U.S. 5,281,445, Khare, January 25, 1994, discloses a method for producing a composition comprising the steps of coating a diatomite material with a colloidal oxide solution followed by mixing the thus coating diatomite material with zinc oxide to form a paste.

U.S. 5,710,089, Khare, January 20, 1998, discloses a process to make a sorbent composition comprising contacting at least one zinc component, at least one silica component, at least one colloidal oxide component, and at least one pore generator component; extruding the composition; and then spherizing the extruded composition.

U.S. 5,726,117, Khare et al, March 10, 1998, discloses a sorbent composition comprising a zinc component, a colloidal oxide component, and a metal oxide component.

U.S. 5,776,331, Khare et al, July 7, 1998, discloses a sorbent composition comprising a zinc component, a colloidal oxide component, and a metal oxide component.

U.S. 5,780,001, Khare et al, July 14, 1998, discloses a composition comprising zinc oxide, silica, and colloidal oxide solution.

U.S. 5,914,288, Turk et al, June 22, 1999, discloses a process of regenerating a sulfided sorbent.

U.S. 5,958,830, Khare et al, September 28, 1999, discloses a process to make a sorbent composition.

U.S. 5,990,372, Blankenship et al, November 23, 1999, discloses a sorbent product for the adsorption of trace elements of sulfur, arsenic, mercury, compounds which contain these elements, or metal hydrides from a hydrocarbon gas stream.

U.S. 6,150,300, Khare et al, November 21, 2000, discloses a process to produce a sorbent.

U.S. 6,184,176, Khare, February 6, 2001, discloses particulate sorbent compositions comprising a mixture of zinc oxide, silica, alumina and a substantially reduced valence cobalt.

U.S. 6,193,877, McVicker et al, February 27, 2001, discloses a process for the hydrodesulfurization of multiple condensed ring heterocyclic organo-sulfur compounds found in petroleum and petrochemical streams.

U.S. 6,221,240, Klein et al, April 24, 2001, discloses a process for the hydrodesulfurization of multiple condensed ring heterocyclic organo-sulfur compounds present in petroleum and petrochemical streams.

U.S. 6,245,221, Baird, Jr. et al, June 12, 2001, discloses a process for the hydrodesulfurization of multiple condensed ring heterocyclic organo-sulfur compounds present in petroleum and petrochemical streams over noble metal containing catalysts under relatively mild conditions.

U.S. 6,271,173, Khare, August 7, 2001, discloses particulate sorbent compositions which are suitable for the removal of sulfur from streams of cracked gasoline or diesel fuel which have increased porosity, and improved resistance to deactivation.

Respectfully submitted,
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I hereby certify that this fee letter is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated and is addressed to the Assistant Commissioner of Patents and Trademarks, Washington, DC 20231, on

March 4, 2002

(Date)

Jeffrey R. Anderson
 Jeffrey R. Anderson

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CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Assistant Commissioner for Patents
Washington, D. C. 20231

Sir:

I hereby certify that this application is being deposited with the United States Postal Service "Express Mail Post Office To Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Respectfully submitted,

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